

Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) A projection device for projecting an image, the device comprising:

an illumination means having an entrance for entering light from a light source,

a polarization-selective mirror for transmitting a first polarization component of said light and reflecting a second polarization component,

a display panel having a dichroic filter means for filtering ~~ce~~color components of said transmitted first polarization component and a controllable

reflection means for changing the state of polarization of said ~~ce~~color components depending on a control signal and for reflecting said filtered ~~ce~~color components back to said polarization-selective mirror, and

a projection means for projecting the image,

wherein said polarization-selective mirror is adapted to reflect light of a changed state of polarization to said projection means and ~~for transmitting to~~ transmit light of an unchanged state of polarization back to said illumination means.

2. (Previously presented) The projection device of claim 1, wherein said illumination means includes an entrance mirror for reflecting light transmitted back from said polarization-selective mirror back to said polarization-selective mirror.

3. (Withdrawn-currently amended) The projection device of claim ~~4~~2, wherein said illumination means includes a quarter-wave film mounted on the entrance mirror to change the state of polarization of light reflected at said entrance mirror.

4. (Previously presented) The projection device of claim 1, wherein said illumination means includes reflective boundaries for reflecting incident light without changing the light distribution.

5. (Previously presented) The projection device of claim 1, wherein said illumination means includes a glass prism.

6. (Currently amended) The projection device of claim 1, wherein said polarization-selective mirror is made of two prisms ~~(16, 17)~~ carrying a reflective polarizer in between.

7. (Currently amended) The projection device of claim 6, wherein the reflective polarizer in between the two prisms ~~(16, 17)~~ is a wire grid polarizer.

8. (Previously presented) The projection device of claim 1, wherein said polarization-selective mirror is integrated in a part of the illumination means, using a PBS prism.

9. (Withdrawn) The projection device of claim 1, wherein a clean-up polarizer is arranged in front of said projection means to filter light having the wrong state of polarization.

10. (Previously presented) The projection device of claim 6, including an imaging prism for reflecting light to the projection means, said prism comprising glass having a low stress birefringence constant.

11. (Currently amended) The ~~A~~ projection device of claim 1 for projecting an image, the device comprising:

_____ an illumination means having an entrance for entering light from a light source,

_____ a polarization-selective mirror for transmitting a first polarization component of said light and reflecting a second polarization component,

_____ a display panel having a dichroic filter means for filtering color components of said transmitted first polarization component and a controllable reflection means for changing the state of polarization of said color components depending on a control signal and for reflecting said filtered color components back to said polarization-selective mirror, and

_____ a projection means for projecting the image,

wherein said polarization-selective mirror is adapted to reflect light of a changed state of polarization to said projection means and to transmit light of an unchanged state of polarization back to said illumination means, wherein said display panel includes a projection area for reflecting light to the projection means having a cross-sectional area that is smaller than the cross-sectional area of the illumination means and a reflection area outside the projection area with a reflective layer for reflecting light back to the illumination means.

12. (Previously presented) The projection device of claim 1, wherein said dichroic filter means includes a filter pattern made of cholesteric filters or of a stack of layers of interference filters.

13. (New) A projection device arranged to project an image comprising, the device comprising:

a side comprising an aperture arranged to enable light to enter from a light source,

a polarization-selective mirror arranged to transmit a first polarization component of said light and reflect a second polarization component,

a display panel comprising:

a dichroic filter arranged to filter color components of said transmitted first polarization component, and

a controllable reflector arranged to change the state of polarization of said color components depending on a control signal and to reflect said filtered color components back to said polarization-selective mirror, and

a projector arranged to project the image,

wherein said polarization-selective mirror is adapted to reflect light of a changed state of polarization to said projection means and to transmit light of an unchanged state of polarization back to said side.

14. (New) The projection device of claim 13, wherein said side comprises an entrance mirror arranged to reflect light transmitted back from said polarization-selective mirror back to said polarization-selective mirror.

15. (New) The projection device of claim 14, wherein said side comprises a quarter-wave film mounted on the entrance mirror, the quarter-wave film arranged to change the state of polarization of light reflected at said entrance mirror.

16. (New) The projection device of claim 13, wherein said side comprises reflective boundaries arranged to reflect incident light without changing the light distribution.

17. (New) The projection device of claim 13, wherein said polarization-selective mirror comprises two prisms and a reflective polarizer arranged between the two prisms.

18. (New) The projection device of claim 13, wherein said polarization-selective mirror is integrated in a part of the side as a PBS prism.

19. (New) The projection device of claim 13, wherein said display panel comprises a projection area arranged to reflect light to the projector with a cross-sectional area that is smaller than a cross-sectional area of the side, and a reflection area positioned outside the projection area, the reflection area comprising a reflective layer arranged to reflect light back to the side.

20. (New) The projection device of claim 13, wherein said dichroic filter comprises a filter pattern made of one of cholesteric filters and a stack of layers of interference filters.